



MMCX Plug Connector Crimp/Solder Attachment For RG188-DS, RG316-DS

TECHNICAL DATA SHEET

PE44874

MMCX Plug Connector Crimp/Solder Attachment For RG188-DS, RG316-DS

Configuration

Connector	MMCX Plug
Connector Interface Type	RG188-DS, RG316-DS
Cable Attachment Method (Shield/Contact)	Crimp/Solder
Body Style	Straight

Electrical Specifications

Frequency Range, GHz	DC to 6
Impedance, Ohms	50
Maximum VSWR	1.22:1
Maximum Operating Voltage, Volts	250
Dielectric Withstanding Voltage, Vrms	500

Mechanical Specifications

Temperature

Operating Range, deg C	-55 to +155
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Size

Length, in [mm]	0.64 [16.26]
Width/Dia., in [mm]	0.18 [4.57]
Weight, lbs [g]	0.003 [1.36]

Connector

Type	MMCX Plug
Contact Material and Plating	Brass, Gold
Contact Plating Specification	30µ in. minimum
Body Material and Plating	Brass, Gold
Body Plating Specification	3µ in. minimum
Dielectric Type	Teflon

Compliance Certifications (visit www.Pasternack.com for current document)

RoHS Compliant	Yes
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Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [MMCX Plug Connector Crimp/Solder Attachment For RG188-DS, RG316-DS PE44874](#)

The information contained in this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part, in order to implement improvements. Pasternack reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal.



MMCX Plug Connector Crimp/Solder
Attachment For RG188-DS, RG316-DS

TECHNICAL DATA SHEET

PE44874

Plotted and Other Data

Notes:

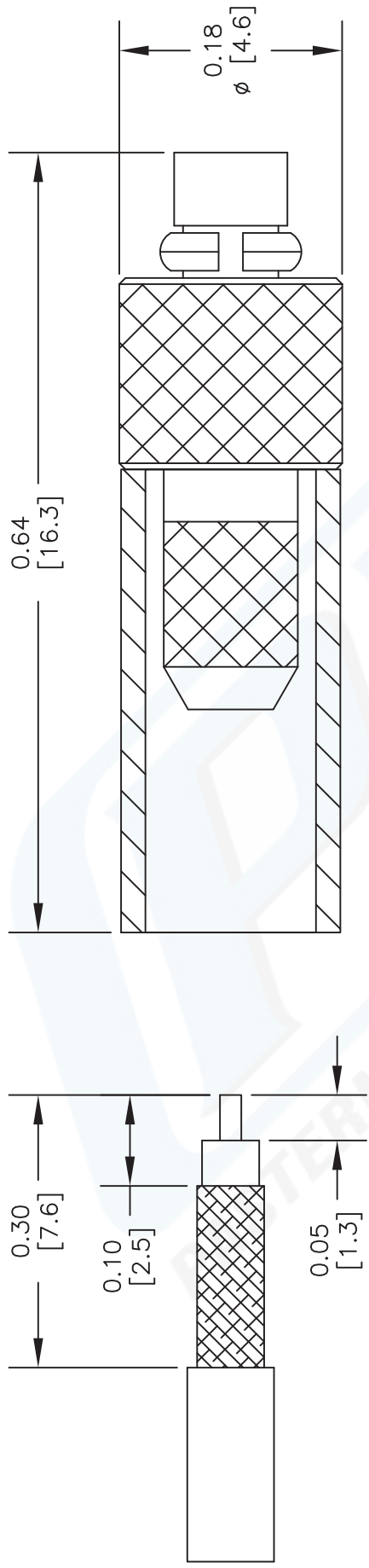
Values at 25 °C, sea level

MMCX Plug Connector Crimp/Solder Attachment For RG188-DS, RG316-DS from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and fiber optic products maintain a 99% availability and are part of the broadest selection in the industry.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [MMCX Plug Connector Crimp/Solder Attachment For RG188-DS, RG316-DS PE44874](http://www.pasternack.com/mmcx-plug-standard-rg188-ds-rg316-ds-connector-pe44874-p.aspx)

URL: <http://www.pasternack.com/mmcx-plug-standard-rg188-ds-rg316-ds-connector-pe44874-p.aspx>

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STRIPPING DIMENSIONS
CRIMP SIZE REQUIRED
CONTACT: SOLDER
FERRULE: .128" HEX CRIMP TOOL

 PASTERNAK® Pasternack Enterprises, Inc. P.O. Box 16759 Irvine CA 92623 Phone: (949) 261-1920 Fax: (949) 261-7451 Website: www.pasternack.com E-Mail: sales@pasternack.com			DWG TITLE		FSCM NO. 53919			
PE44874		NOTES: 1. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE NOMINAL. 2. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME. 3. DIMENSIONS ARE IN INCHES [mm]. 4. FITS MIL-C-17 AND EQUIVALENT CABLES.						
		CAD FILE	111413	SCALE	N/A	SIZE	A	2233



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SMA Female Connector Crimp/Solder Attachment for RG188-DS, RG316-DS

RF Connectors Technical Data Sheet

PE4416

Configuration

- SMA Female Connector
- 50 Ohms
- Straight Body Geometry
- RG188-DS, RG316-DS Interface Type
- Crimp/Solder Attachment

Features

- Max. Operating Frequency 18 GHz

Applications

- General Purpose Test
- Custom Cable Assemblies

Description

Pasternack's PE4416 SMA female connector with crimp/solder attachment for RG188-DS and RG316-DS is part of our full line of RF components available for same-day shipping. Our SMA female connector operates up to a maximum frequency of 18 GHz.

Our SMA female connector PE4416 datasheet specifications and drawing with dimensions are shown below in this PDF. Pasternack's broad catalog of RF, microwave and millimeter wave connectors allows designers to configure and customize their signal connections however they like. Whether the need is to provide an I/O for a board design, or simply create a custom cable assembly configuration, Pasternack has the right connector for the job. Pasternack can also expertly build your custom cable assemblies for you and ship same-day.

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		18	GHz
Dielectric Withstanding Voltage (AC)			750	Vrms

Mechanical Specifications

Weight 0.008 lbs [3.63 g]

Material Specifications

Description	Material	Plating
Body	Brass	Nickel

Environmental Specifications

Temperature

Operating Range -65 to +165 deg C

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SMA Female Connector Crimp/Solder Attachment for RG188-DS, RG316-DS PE4416](#)



SMA Female Connector Crimp/Solder Attachment for RG188-DS, RG316-DS

RF Connectors Technical Data Sheet

PE4416

Compliance Certifications (see [product page](#) for current document)

Plotted and Other Data

Notes:

SMA Female Connector Crimp/Solder Attachment for RG188-DS, RG316-DS from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and are part of the broadest selection in the industry.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SMA Female Connector Crimp/Solder Attachment for RG188-DS, RG316-DS PE4416](#)

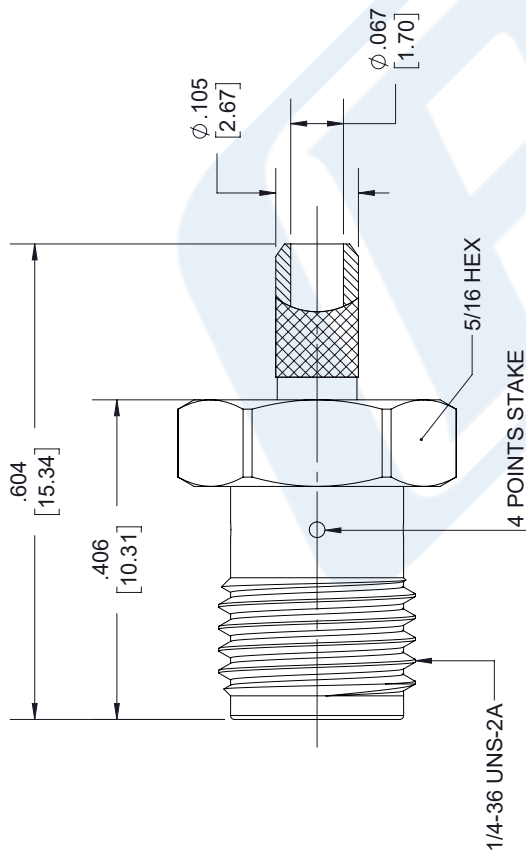
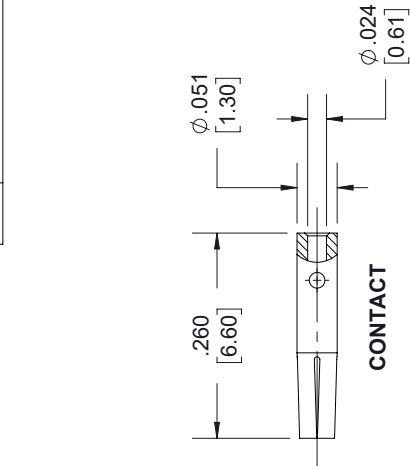
URL: <https://www.pasternack.com/sma-female-rg188-ds-rg316-ds-connector-pe4416-p.aspx>

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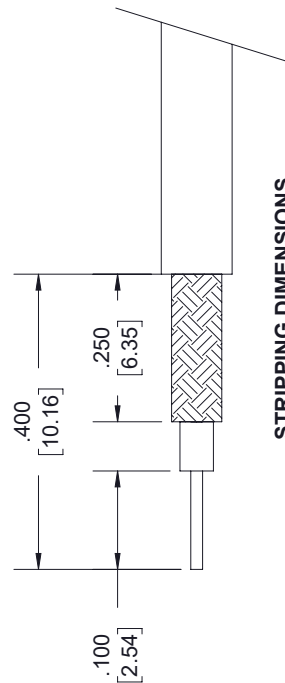
PE4416 CAD Drawing

SMA Female Connector Crimp/Solder Attachment for RG188-DS, RG316-DS

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
1.1	PCR PE4416 20190319	03/29/19	J.GARCIA



SMA FEMALE



STRIPPING DIMENSIONS

NOTES:

- CABLE ATTACHMENT:
 - OUTER: CRIMP.
 - INNER: SOLDER.
- CRIMP SIZE REQUIRED:
 - FERRULE: .151 [3.84] HEX. CRIMP TOOL
 - CONTACT: SOLDER.

UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE IN INCHES DIMENSIONS IN [] ARE MILLIMETERS	
TOLERANCES:	FRACTIONS
X $\pm$.2 [5.08]	$\pm$.132
XX $\pm$.01 [0.25]	$\pm$.005
XXX $\pm$.005 [0.13]	$\pm$.001
ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.	
THIRD-ANGLE PROJECTION	

PE PASTERNAK an INFINITO brand	
Pasternack Enterprises, Inc. P.O. Box 16759, Irvine, CA 92623. Phone: 1.949.261.1920 1.866.727.8376 Fax: 1.949.261.7451 www.pasternack.com e-mail: sales@pasternack.com	
SIZE	53919
CAGE	K.DANG
DRAWN BY	PE4416
PART NUMBER	REV
A	A

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SHEET	1 OF 1
SCALE	N/A

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Flexible RG188 Coax Cable Double Shielded with White PTFE Jacket

RF Cables Technical Data Sheet

RG188-DS

Configuration

- Flexible Cable
- 2 Shield(s)

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		10	GHz
Impedance		50		Ohms
Dielectric Withstanding Voltage (AC)			2,000	Vrms
Nominal Capacitance		32 [104.99]		pF/ft [pF/m]

Performance by Frequency Band

Description	F1	F2	F3	F4	F5	Units
Frequency	0.01	0.1	1	5	10	GHz
Attenuation, Typ	3.8	11.5	30	79	133	dB/100ft
	12.47	37.73	98.43	259.19	436.35	dB/100m
Input Power (CW), Max	1,250	450	160	57		Watts

Mechanical Specifications

Diameter	0.118 in [3 mm]
Weight	0.016 lbs/ft [0.02 Kg/m]

Construction Specifications

Description	Material and Plating	Diameter
Inner Conductor	Copper Clad Steel, Silver, 7 Strands	0.02 in [0.51 mm]
Conductor Type	Stranded	
Dielectric	PTFE	0.06 in [1.52 mm]
First Shield	Silver Plated Copper Braid 90% coverage	0.078 in [1.98 mm]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Flexible RG188 Coax Cable Double Shielded with White PTFE Jacket RG188-DS](#)

Flexible RG188 Coax Cable Double Shielded with White PTFE Jacket

RF Cables Technical Data Sheet

RG188-DS

Second Shield	Silver Plated Copper Braid 90% coverage	0.096 in [2.44 mm]
Jacket	PTFE, White	0.118 in [3 mm]

Environmental Specifications

Temperature

Operating Range

-55 to +200 deg C

Compliance Certifications (see [product page](#) for current document)

Plotted and Other Data

Notes:

Flexible RG188 Coax Cable Double Shielded with White PTFE Jacket from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and are part of the broadest selection in the industry.

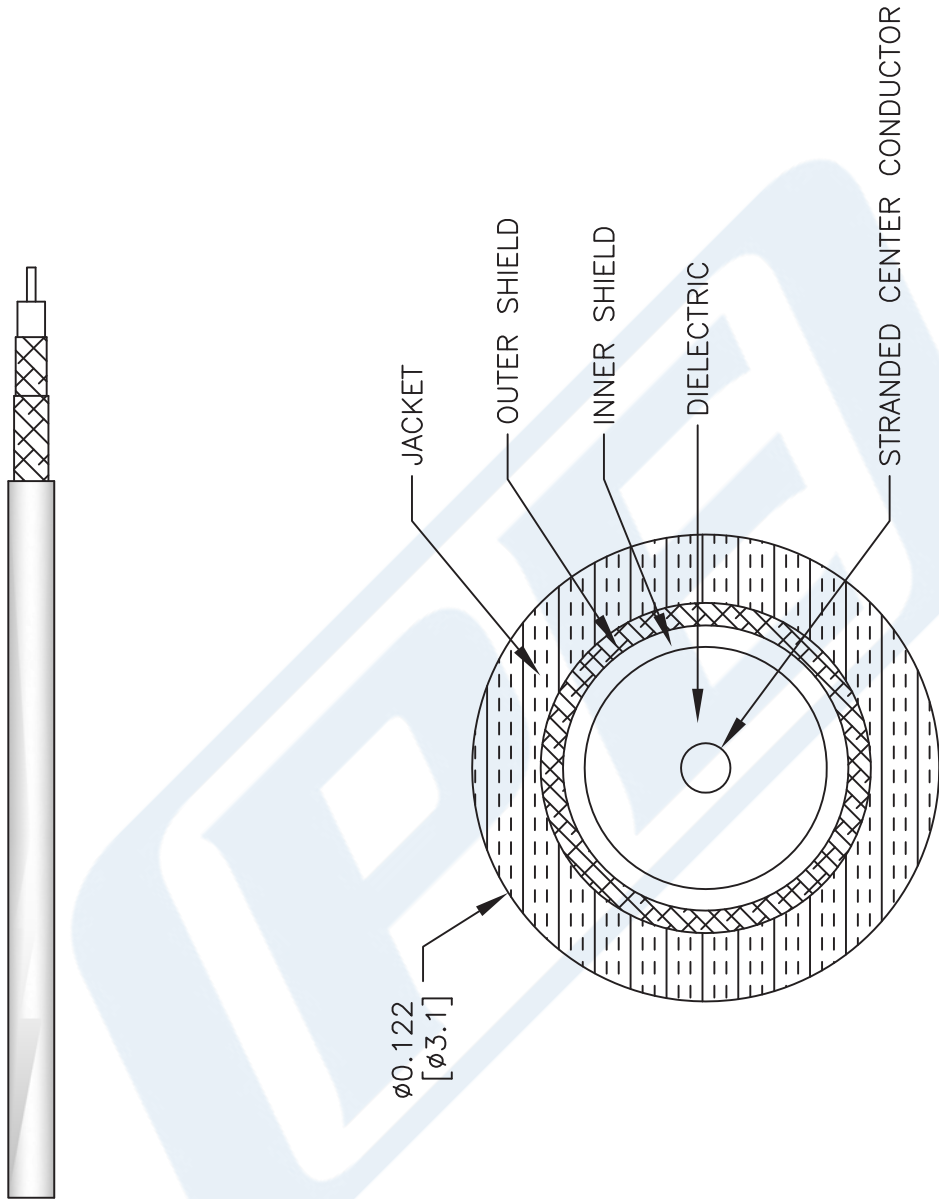
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Flexible RG188 Coax Cable Double Shielded with White PTFE Jacket RG188-DS](#)

URL: <https://www.pasternack.com/flexible-0.122-rg188-ds-50-ohm-coax-cable-ptfe-jacket-rg188-ds-p.aspx>

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RG188-DS CAD Drawing

Flexible RG188 Coax Cable Double Shielded with White PTFE Jacket



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DWG TITLE
RG188-DS

CAGE CODE 53919

SIZE A

SCALE N/A

CAD FILE 062817

2233



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